

striping volatile compounds from water or other solut s, the method comprising the steps of:

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cont.
- (a) providing a pipe system having a plurality of outlets branching from a common distribution line;
 - (b) continuously providing a predetermined minimum volume of a gas comprising oxygen and introducing the gas into the pipe system; and
 - (c) delivering a desired quantity of the gas at each of the outlets by providing a constant flow regulator means for each outlet which limits gas flow from each of the outlets to a set amount when pressure in the pipe system exceeds a predetermined minimum value.

22. (New) A method as claimed in claim 21 in which the predetermined minimum volume of gas exceeds a calculated minimum volume which is required to be delivered from the outlets.

23. (New) A method as claimed in claim 21 in which substantially the same quantity of gas is delivered at each outlet irrespective of pressure drop along the pipe system, at least within a flow range which is deemed acceptable.

24. (New) A method as claimed in claim 21 in which each constant flow regulator means is a moving element constant flow regulator.

25. (New) A method as claimed in claim 21 in which gas pressure is kept substantially constant along the distribution line and each constant flow regulator means is a moving "O" ring constant flow regulator delivering an accurate and even quantity of gas at each outlet, the moving "O" ring constant flow regulator operates at a set maximum flow rate at a set pressure.

Apr 26. (New) A method as claimed in claim 21 in which the desired quantity flow of gas is a desired even flow of gas.
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27. (New) A method as claimed in claim 21, wherein the gas is air.

28. (New) A mixing, aeration or oxygenating system to aerate or oxygenate ponds, rivers, or lakes, sewage or effluent treatment lagoons or beds or to airstrip volatile compounds from water or other solutes and comprising:

(a) gas distribution supply line;

- (b) a source of pressurized gas comprising oxygen connected to the distribution supply line;
- (c) a plurality of outlets branching from the distribution supply line; and
- (d) a constant flow regulator for each outlet to cause a desired flow of gas to be delivered through the outlets.

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cont. 29. (New) A method as claimed in claim 28 in which the source of pressurized gas is adapted to supply a predetermined minimum volume of gas, which volume is calculated to exceed a minimum volume which is to be delivered from all the outlets.

30. (New) A system as claimed in claim 28 in which each regulator is tuned to deliver a desired calculated supply of gas required at each outlet irrespective of changes in supply pressure such that the regulator is self compensating for changes in supply pressure within a designed operating range of the regulator.

31. (New) A system as claimed in claim 28 in which each regulator is designed to only allow a desired maximum flow of gas to pass through at a known pressure of gas.

32. (New) A system as claimed in claim 31 in which the constant flow regulator comprises an "O" ring moving element ring constant flow regulator.

33. (New) A system as claimed in claim 28 in which each outlet has a suitable outlet nozzle.

34. (New) A system as claimed in claim 28 in which the outlets are disposed in series along the distribution supply line.

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cont. 35. (New) A system as claimed in claim 28 in which the source of pressurized gas is a pump which delivers a constant volume of gas.

36. (New) A system as claimed in claim 28 in which the distribution supply line comprises at least one length of pipe.

37. (New) A system as claimed in claim 28 in which the distribution supply line comprises a plurality of lengths of pipe branching from a common manifold.

38. (New) A system as claimed in claim 28 in which the distribution supply line comprises a plurality of lengths of pipe having a direct connection with the source of pressurized gas.

39. (New) A system as claimed in claim 28 in which the distribution supply line includes a return line.

40. (New) A system as claimed in claim 28 in which the distribution supply line is of a ring main type.

41. (New) A system as claimed in claim 28 in which the outlets incorporate a backflow regulation device and an isolation ball valve.

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cont. 42. (New) A system as claimed in claim 28 in which the outlets incorporate a backflow regulation device.

43. (New) A system as claimed in claim 28 in which the outlets incorporate an isolation ball valve.

44. (New) A system as claimed in claim 28, wherein the pressurized gas is air.

Abstract:

Delete any existing abstract and insert the following: